L	Hits	Search Text	DB	Time stamp
Number 1	35939	print\$ and weld\$	USPAT;	2003/10/06
1	33939	princy and werdy	US-PGPUB;	06:26
			EPO; JPO;	00.20
			DERWENT;	
			IBM TDB	
2	3415216	tube\$6 or sleeve\$6 or hollow or cylind\$4	USPAT;	2003/10/06
		_	US-PGPUB;	06:27
			EPO; JPO;	
			DERWENT;	
	47400	1,	IBM_TDB	/
3	17183	(print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)	US-PGPUB;	06:28
			EPO; JPO; DERWENT;	
			IBM TDB	
4	2590587	ends or edges	USPAT;	2003/10/06
		30000	US-PGPUB;	06:28
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
5	13091	((print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	06:29
		(ends or edges)	EPO; JPO;	
			DERWENT;	
6	2586960	plate	IBM_TDB USPAT;	2003/10/06
0	2300900	prace	US-PGPUB;	06:30
			EPO; JPO;	00.30
			DERWENT;	
			IBM TDB	
7	7951	(((print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	06:30
		(ends or edges)) and plate	EPO; JPO;	
			DERWENT;	
8	235358	bead\$4 or blob	IBM_TDB USPAT;	2003/10/06
	233330	Beauty of Blob	US-PGPUB;	06:33
			EPO; JPO;	00.33
			DERWENT;	·
			IBM TDB	
9	924	((((print\$ and weld\$) and (tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4)) and	US-PGPUB;	07:08
		(ends or edges)) and plate) and (bead\$4	EPO; JPO;	
		or blob)	DERWENT;	
10	3	("3490841" "5218405" "5418600").PN.	IBM_TDB	2002/10/06
10		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	USPAT	2003/10/06
11	699580	\$6weld\$6	USPAT;	2003/10/06
			US-PGPUB;	07:09
			EPO; JPO;	
			DERWENT;	
1.0	4=====		IBM_TDB	
12	1759490	"12" and (tube\$6 or sleeve\$6 or hollow or	USPAT;	2003/10/06
		cylind\$4)	US-PGPUB;	07:12
			EPO; JPO;	
			DERWENT;	
13	290762	(tube\$6 or sleeve\$6 or hollow or	IBM_TDB USPAT;	2003/10/06
	250,02	cylind\$4) and \$6weld\$6	US-PGPUB;	07:13
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
14	13079	(ends or edges) and (((print\$ and weld\$)	USPĀT;	2003/10/06
		and (tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	07:13
		cylind\$4)) and (ends or edges)) and	EPO; JPO;	
		((tube\$6 or sleeve\$6 or hollow or cylind\$4) and \$6weld\$6)	DERWENT;	
L	I	CATTHOSAL WHO SOMETOSOL	IBM_TDB	i l

15	95360	(ends or edges) and plate and ((tube\$6 or	USPAT;	2003/10/06
		sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:14
		\$6weld\$6)	EPO; JPO;	
		4011011111	DERWENT;	
			· · · · · · · · · · · · · · · · · · ·	
1			IBM_TDB	
16	3883916	al or aluminum	USPAT;	2003/10/06
			US-PGPUB;	07:14
			EPO; JPO;	
			DERWENT;	İ
1	70504	//	IBM_TDB	2002/10/06
17	72594	((ends or edges) and plate and ((tube\$6	USPAT;	2003/10/06
	1	or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:15
		\$6weld\$6)) and (al or aluminum)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
18	1092689	expand\$6 or expansion\$3	USPAT;	2003/10/06
1 .	1032003	capanaço or capansiones	US-PGPUB;	07:16
	1			07:16
			EPO; JPO;	
			DERWENT;	
			IBM TDB	l
19	23090	(((ends or edges) and plate and ((tube\$6	USPAT;	2003/10/06
		or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:16
		\$6weld\$6)) and (al or aluminum)) and	EPO; JPO;	• • • • •
		(expand\$6 or expansion\$3)	DERWENT;	
		l	IBM_TDB	
20	501935	bead\$4 or seam\$4 or bump\$3	USPAT;	2003/10/06
			US-PGPUB;	07:17
			EPO; JPO;	
			DERWENT;	
i.			IBM TDB	
21	5973	///onds or odgos) and nlate and //tubes6	_	2003/10/06
21	39/3	((((ends or edges) and plate and ((tube\$6	USPAT;	
		or sleeve\$6 or hollow or cylind\$4) and	US-PGPUB;	07:18
		\$6weld\$6)) and (al or aluminum)) and	EPO; JPO;	
		(expand\$6 or expansion\$3)) and (bead\$4	DERWENT;	
		or seam\$4 or bump\$3)	IBM TDB	
22	5973	plate and ((((ends or edges) and plate	USPAT;	2003/10/06
		and ((tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	07:18
		cylind\$4) and \$6weld\$6)) and (al or	EPO; JPO;	0,.10
		aluminum)) and (expand\$6 or expansion\$3	DERWENT;	
)) and (bead\$4 or seam\$4 or bump\$3))	IBM_TDB	
23	1447754	\$6print\$5	USPAT;	2003/10/06
			US-PGPUB;	07:20
	1		EPO; JPO;	
			DERWENT;	
			IBM TDB	
24	1165	(n) ato and ((()) and an add \	USPAT;	2003/10/06
43	1165	(plate and ((((ends or edges) and plate		2003/10/06
		and ((tube\$6 or sleeve\$6 or hollow or	US-PGPUB;	08:10
		cylind\$4) and \$6weld\$6)) and (al or	EPO; JPO;	
		aluminum)) and (expand\$6 or expansion\$3	DERWENT;	
1)) and (bead\$4 or seam\$4 or bump\$3))) and	IBM TDB	
		\$6print\$5		
25	8	("1963745" "3146709" "3750250"	USPAT	2003/10/06
23			USPAI	
	1	"4198739" "4643095" "4872407"		07:47
	1 _	"5351615" "5379693").PN.		
26	3	5492059.URPN.	USPAT	2003/10/06
1	1		1	07:51
27	9	("2274961" "2372665" "2647847"	USPAT	2003/10/06
		"2768433" "3098285" "3451903"		08:06
	1	"3461046" "3616520" "3633259").PN.		00.00
120	10		II.a.p.z.m	0000 (10 (05
28	10	3950839.URPN.	USPAT	2003/10/06
				08:08

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L	Hits	Search Text	DB	Time stamp
Number				
1	323	(sheet adj metal) same draw\$3 same roll	USPAT;	2003/10/06
			US-PGPUB;	15:23
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	1690766	cut or cutting	USPAT;	2003/10/06
			US-PGPUB;	15:23
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
3	155	((sheet adj metal) same draw\$3 same roll)	USPAT;	2003/10/06
		and (cut or cutting)	US-PGPUB;	15:32
		•	EPO; JPO;	
			DERWENT;	
			IBM_TDB	



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L Number	Hits	Search Text	DB	Time stamp	
1	1277	mandrel and weld\$4 and (crown or bump or seam or bead) and air	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/10/06 09:05	